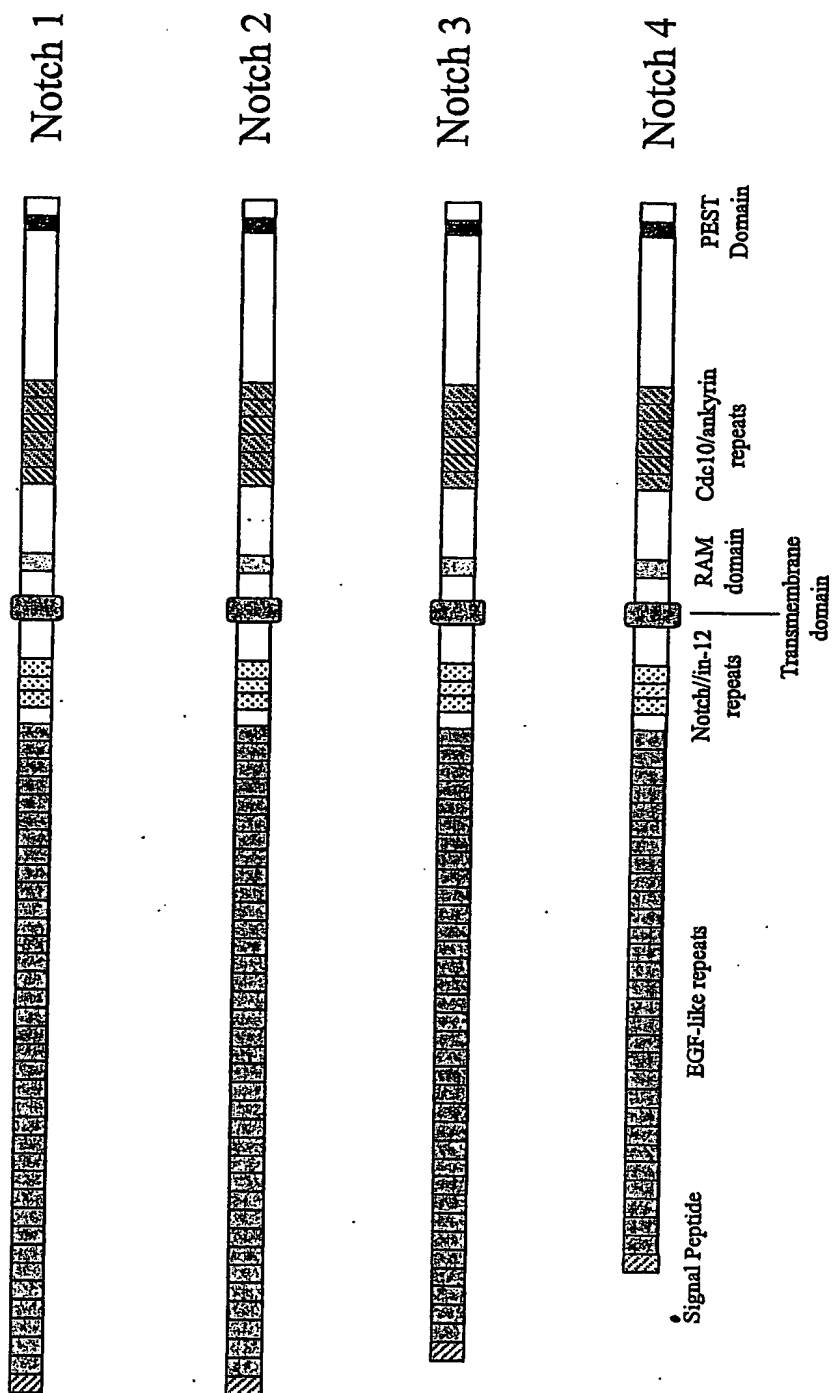
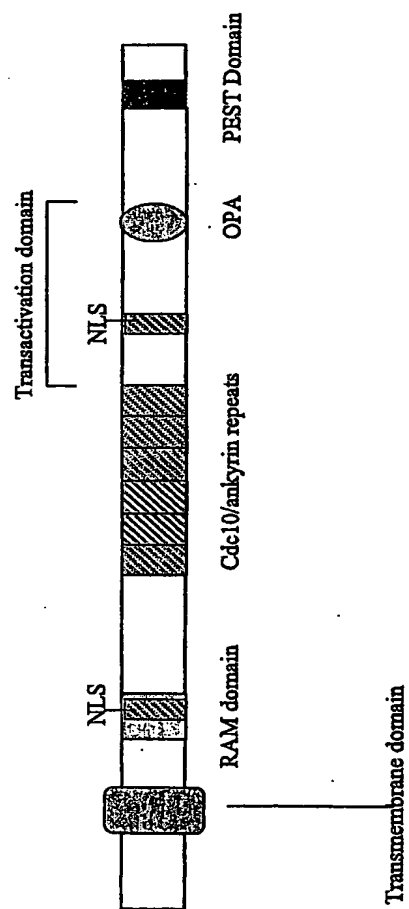


FIG. 1

**FIGURE 2**



### FIGURE 3





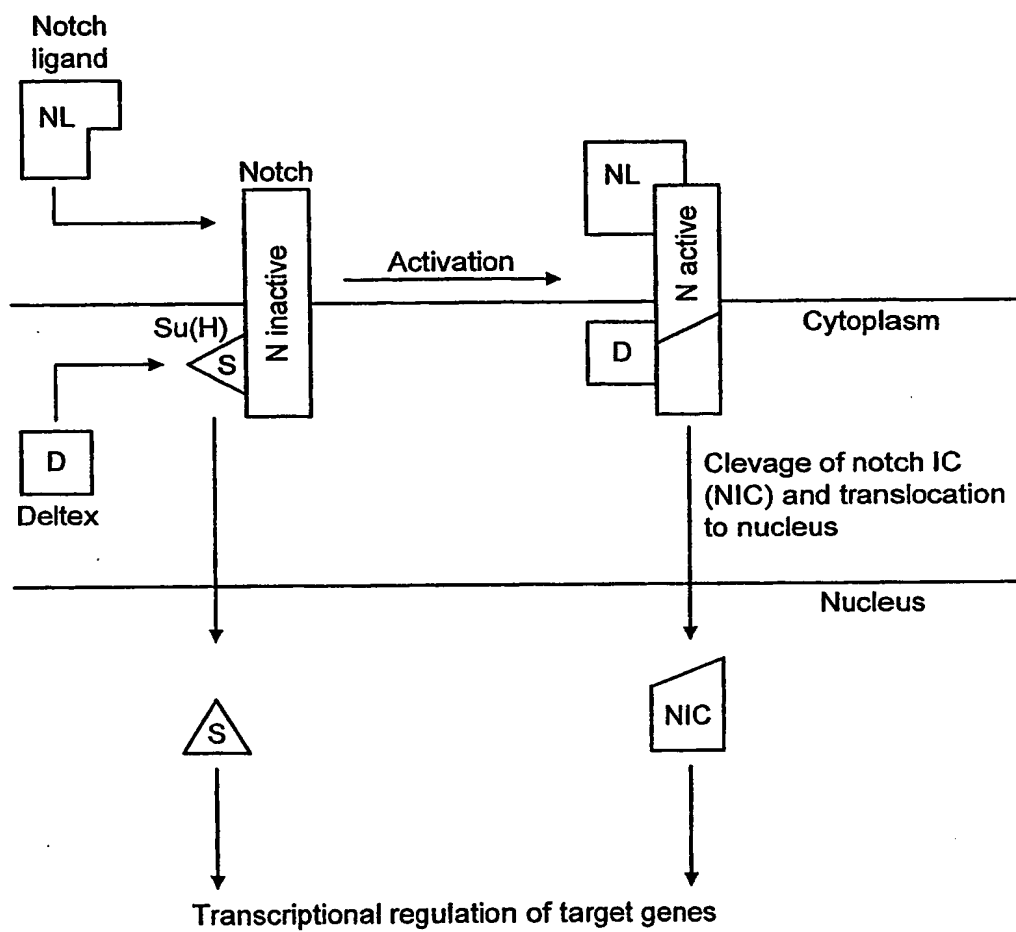


FIG. 5

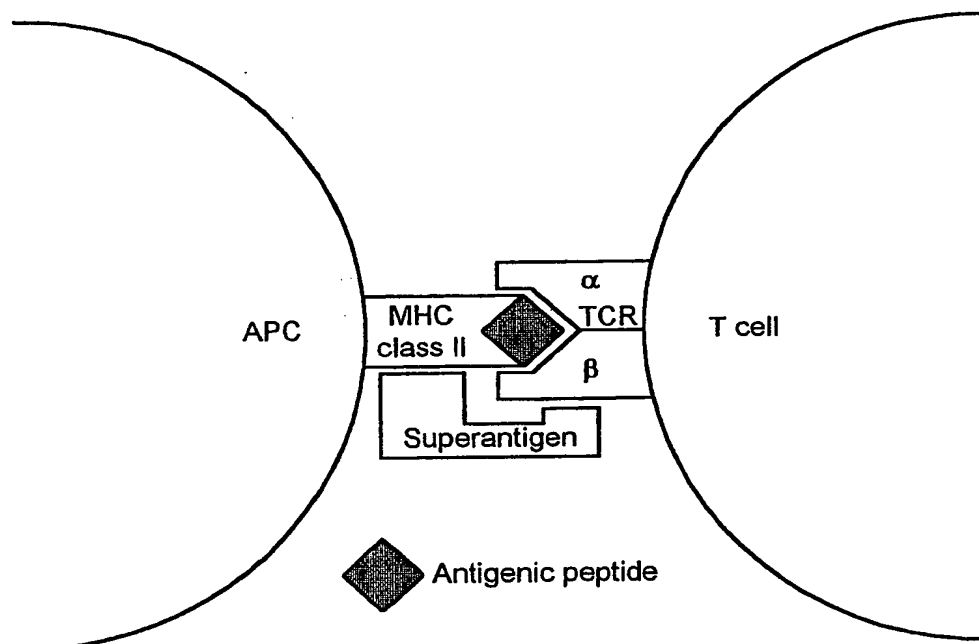


FIG. 6

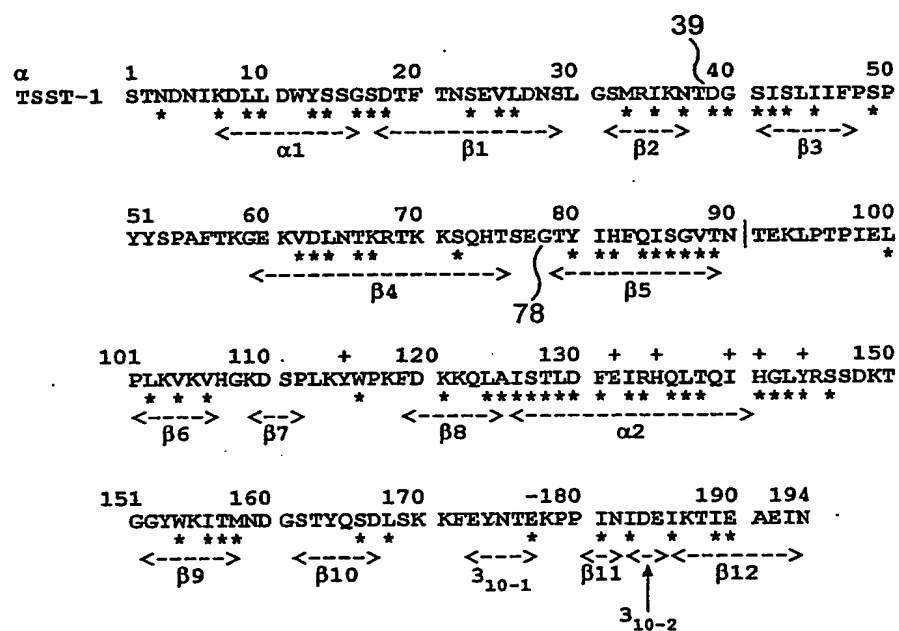


FIG. 7

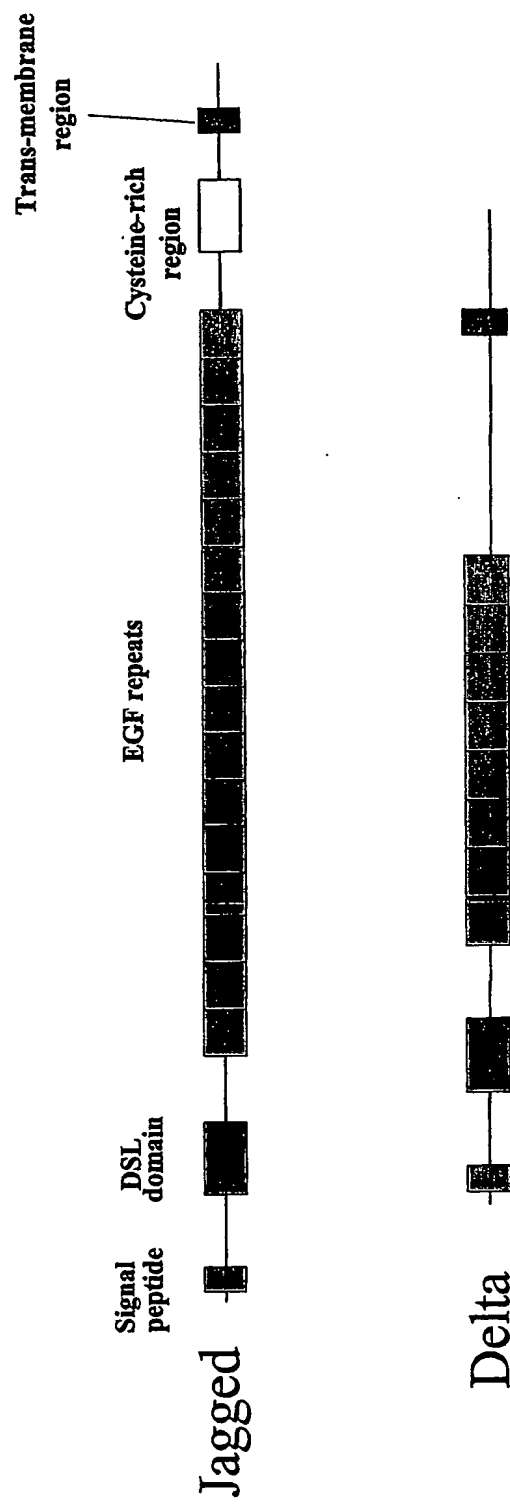


Figure 8



DL_DROME/164-226	WKTKSESQ.....YT-----SLFYDFRVTCDLNYYGSGCAKFCRPRDDSFHSTCSETGEIICLTGWQGDYC
DLL1_HUMAN/159-221	WSQDLHSSG.....RT-----DLKYSYRTVCDHEYHGGCSVFCRPRDDAFGHFTCGERGEKVCNPGWKGPYC
DLL1_MOUSE/158-220	WSQDLHSSG.....RT-----DLKYSYRVCDHEYHGGCSVFCRPRDDAFGHFTCGERGERKMDPGWKQQYC
DLL1_RAT/158-220	WSQDLHSSG.....RT-----DLKYSYRVCDHEYHGGCSVFCRPRDDAFGHFTCGERGERKMDPGWKQQYC
DLL4_MOUSE/156-218	WRTDEQNDT.....LT-----RLSYSYRVTCSDNYYGESCSRLCKKDDHFGHYECQPDGSLSLCLPWTGKYC
DLL4_HUMAN/155-217	WLLDEQTSST.....LT-----RLKYSYRVTCSDNYYGDNCSRLCKKRNDFHGHYVCQPDGNLSCLPWTGKYC
Rat J1 (Q63722)	WQTLKQNTG.....LA-----HFEYQIRVTCDDHYYGFGCNKFCRPRDDFFGHYACDQNGNKTCTMEGWMGPFC
Mouse J1 (Q9QXX0)	WQTLKQNTG.....LA-----HFEYQIRVTCDDHYYGFGCNKFCRPRDDFFGHYACDQNGNKTCTMEGWMGPDC
Human J1 (o15122)	WQTLKQNTG.....VA-----HFEYQIRVTCDDYYYGFGCNKFCRPRDDFFGHYACDQNGNKTCTMEGWMGREC
Chick J1 (Q90819)	WQTLKHNTG.....AA-----HFEYQIRVTCAEHYYGFGCNKFCRPRDDFFTHHTCDQNGNKTCLGWTGPEC
Chick J2 (o42347)	WKTQLFNGP.....VA-----NFEVQIRVKCDENYYSALCNKFCGPRDDFVGHYTCQNGNKA CMGWMGREC
Mouse J2 (Q9QYE5)	WKSLSHFSGH.....VA-----HLEIQIRVRCDENYYSATCNKFCRPRNDFFGHYTCQYGNKACMDGWMGREC
Human J2 (Q9UNK8)	WKSLSHFSGH.....VA-----HLEIQIRVRCDENYYSATCNKFCRPRNDFFGHYTCQYGNKACMDGWMGREC
Rat J2 (P97607)	WKSLSHFSGH.....VA-----HLEIQIRVRCDENYYSATCNKFCRPRNDFFGHYTCQYGNKACMDGWMGREC
Human J2 (Q9Y219)	WKSLSHFSGH.....VA-----HLEIQIRVRCDENYYSATCNKFCRPRNDFFGHYTCQYGNKACMDGWMGREC
SERR_DROME/221-283	WKTLDHIGR.....NA-----RITTRVRVQCAVTTNTCTTFCRPRDDQFGHVACGSEGGQKLCINGWQGVNC

Figure 9

Human Delta 1 (GenBank Accession No. AF003522)

MGSRCALALAVLSALLCQVWSGVEFLKQLQEFVNKKGLLGNRCRCGAGPPPCACRTFRVCLKHYYQASVSPETCYGSATPVVLGYVDSFSLPDGGGA  
D SAFNP I R F P F G F T W P G T F S L I I E A L H T D S P D D L A T E N P E R L I S R L A T O R H L T V G E E W S Q D L H S S G R T D L K Y S Y R F V C D E H Y Y G E G C S V F C R P R D D A F G  
H F T C G E R K E V C N P G W K G P Y C T E F I C L P G C D E Q H G F C K P G C K R V G W Q G R Y C D E C I R Y P G C I L F G T C Q Q F W Q C N Q C E G W G G L F C N Q D I N Y C T H H K P C K N  
G A T C T N T G Q G S Y T C S C R P G Y T G A T C E L G I D E C D P S P C K N G G S C T D L E N S Y S C T C P P G F Y G K I C E L S A M T C A D G P C F N G G R C S D S P D G G Y S C R C P V G Y S G F  
N C E K I D Y C S S S P C S N G A K C V D L G D A Y L C R Q A G F S G R H C D N V D D C A S S P C A N G G T C R D G V N D F S C T C P P G Y T G R N C S A F V S R C E H A P C H N G A T C H E R G  
H G Y V C E C A R G Y G G P N C Q F L L P E L P P G P A V V D L T E K L E G Q G G F F W A V A C A G T I V L M L L G C A A V V V C V R L R L Q K H R P P A D P C R G E T E T A N N L A N C O R E K  
D I S V S I I G A T Q L K N T N K A D F H G D H S A D K N G F K A R Y P A V D Y N L V Q D L K G D D T A V R D A H S K R D T K Q P Q G S S G E E K C T P T T L R G G E A S E R K R P D S G C S T S K  
D T K I Q S V Y V I S E E K D E C V I A T E V

Human Delta 3 (GenBank Accession No. NM\_016941)

MVS PRMSGLLSQTVILALIFLPQTRPAGVTELOIHSFGPGPGFAPSPCSARLPCLRFRVCLKPGLSSEAAE SPCALGAAL SARGFVYTEQGCAPAPDL  
PLPDGILQVPRDAWPCTFSFIITETWREELGDQIGGPAWSLLARVAGRRLLAAGFPWARDIORACAWELRFSYRACEPPAVGTACTRLCRPRSPSRCGP  
GLRPCAPLEDECEAPLVCRAGCSEPHGFCEQPGECRCLEGTGPLCTVPVSTSSCLSPRGPSSATGCLVPGPGCDGNPCANGGSCSETPRSTECTCPRG  
FYGLRCEVSGVTACDGPFCNGGLCVGGADPD SAYICHCPPGQGSNCEKRVDRCSLQPCRNGELCLDLGHALRCRCRAGFAGPCEHDLDDCAGRACANGG  
TCVEGGGAHRCSCALGFGGRDCRRADPCAARPCAHGRCZYAHFSELVCAAPGIMGARCEFFVHPDGSALPAAFPPLRPGDPQRYLLPPALGILLVAAGV  
AGAALLVHVRERGHSDAGSRLLAGTPEPSVHALPDALNNLRTQEGSGDGPSSVDNWRPEDVD PQGIYVISAPSIYAREVATPLFPPLHTGRAGQRQHL  
LFPYPSILSVK

Human Delta 4 (GenBank Accession No. AF\_253468)

MAAASRSASGWALLLVALWQRAAGSVFQLQLOEFINERGVLASGRPCEPCRTFFRVCLKHFAVVSFGPCTGTGTVSTFVLGNTSFVRDDSSGGGRN  
FLQLPFNTWPGTFSLIIEAWHAPGDDLRPEALPDALISKIAIQGSLAVGQNWLLDQTSTLRLRYSYRVICSDNYGNC SRLCKKRNDHFHGYVCQF  
DGNLSCLPGWTGEYCOQPICLSGCHEQNGYCSKPAECLCRPGWQGRILCNECIPHNGCRHGTCSTFWQCTCDEGWGGLFCDQDILNYCTHSPCKNGATCSNS  
GQRSYTCTCRPGYTGVDCELELSECDSNPCRNCGSCNDQEDGYHCLQPPGYTGLHCHSTLSCADSPCFNNGGSCRRNQGAN YACECPNFNTGSNCEKKVD  
RCTSNPCANGGQCLNRGFSRMCRCPGFTGTYCELHVSDCARNPCAHGGTCHDLENGLMCTCPAGFSGRCEVRUSIDACASSPCFN RATCYTDLSTDTFY  
CNCPTGCVGSRCFFVGLPPSPFPWAVSLGVGLAVLLVLCGAVAVRQLRLRRPDDGSRREAMNNILSDFOKDNLIIPAAQLKNTNQKKELEVDCGLDKSNCG  
KQONHTLDYNLAPGLGRGTMPGKFPKSHDKSLGEKAPRLHSEKPECKRISAICSPRDSMYQSVCLISEERNECVIATEV

Figure 10

Human Jagged 1 (GenBank Accession No. U7936)

MRSPTTRGRSCRPLSLLALLCALRAKVCASGQFEILELSENVNSELONGNCCGARNPGDRKTRDECDTYFKVCLKEYQSRVTAGSPCSFGSG  
STPVIGNTENLKA SRGNDRNRLVLPFSEAWPRSYTLIVEANDSSNDTVQPSIIEKASHSGMNP SRQWTLKONTGVAHFEYQIRVTCDDYYTGF  
GCKNCRPRDDFFCHYACDQNGKTCMEGWMGPECNRAICRQGCSPKHSCKLPEDCRQYQWQGLYCDKCIPIHPGCVHGINENFWQCLCETNWWGQ  
LCKDLNYCGTHQPCINGGTCNTGPKYQCSPEGYSGNCELAETHACLSDPCHNRSGCKETSLIGFECESPGWTGPTCSNTIDDCSPNNCSHGST  
QDLVNGFKVCVPPQWTGKTQOLDANECEAKPCVNAKSCRNLASYCDCLPGWQNGCDININDCLGQCNDAASCRDLVNGYRCICPPGYAGDHCE  
RDIDECASNPCINGCHCONEINRFQCLPTGFSNLCQLDIDYCEPNPCONGAQCYNRASDYFCCKPEDYEGKNC SHLKHCHRTTPCEVIDSCTVAM  
ASNDTPEGVYLISSNVCGPHCKKSQSQGGKFTCDCKNGFTCTYCHENINDCESNPCRNGGTCIDGVNSYKICSDGWEGAYCETININDCSQNPCHNG  
GTCRDLVNDFYCDCKNGWKGTCHSRDSQCDENATCNGGTCYDEGDAFKCMCPGGWETTCNTIARNSCLPNPCNGGTCVNVGE SFTCVCKEGWEG  
PICAQNTNDCSPHPCNSGTCDGDNWYRCECAPGFAGPDCRININECQSSPCAFGATCVDEINGYRCVCPPHSGAKCQEVSGRPPCITMGSVIPDG  
AKWDDCNTQCCLNGRIACSKVWCGRPCILLKHGHECPSQSCIPILDDQCFVHPCTGVGECRSSSLQPVTKCTSDSYQDNCANITFTFNKEMM  
SPGLTTEHICSELNRLNILKNVSAEYSYIACEPSPANNEIHWAI SAEDIRDDGNPIKEITDKIIDIVSKRDGNSSLIAAFAEVRVQRRLKNRTD  
FLVPILLSVLTAVIICCLIVTAFWCLRRKRP GSHTHSASEDNTTNVREQLNQIKRNP IEKHGANTVPIKD YENKNSKMSKIRTHNSEVEEDDMDKH  
QQKARFAKQPAYTLVDREKPPNGTPTKHPNTWTKQDNRDLESAQSINRMEYIV

Human Jagged 2 (GenBank Accession No. AF029778)

MRAQGRGLPRRLILLALLWQAA RPMC YFELQLSALRNVNGEILLSGACCDGDRTRAGGCGHDECDTYVRVCLKEYQAKVTPGTGPCSYGHGATPV  
LGGNSFYLPAGAGDRARARAGGDQDPLVVIPEQFAWPRSYTLIVEANDNDTTPNEELLIERVSHAGMNPEDRWKSLHFSGHVAHLELQI  
RVRCENTYSATCNKFCRPRNDFGHTYTCQYGNKACMDGWMGKECKEAVCKQGNLLHGGCTVPGECRCYSYQWGRFCDECVPIPGCVHSGSVPEPW  
QCNCE TNWGLLCDKDLNYCGSHHPCINGGTCINAE PDQXRCTCPDGYSGNCEKAEHACTSNPCANGSGCHEVPSGFECHPCPSGWSGPTCALDIDE  
CASNPCAAAGTCVDQVDGFE CICEPEQNVGATQOLDANECEKPCINAFSCRNLIGGYDCIIPGWKGINCHINVND CRGQCQHGCTCKDLVNGYQCV  
CPRGFGGRHCELERDKCASSPCHSGGLCEDLADGFHCHCPQGFSGPLCEVDVDLCEPSPCRNGARCYNLEGYCACPDDFGKNC SVPREPCFGGA  
CRVIDCGSDAGPQMGTAASGVCGPHGRCVSQPGGNFSCI CD SGFTGTCHENIDDC LGQPCRNGGTCIDEVDAFRFCPSGWE GELCDTNPNDCIL  
PDPCHSRGRCYDLVNDFYCACDDGWKGTCHSREFQCDAYTC SNGGTCYD SGDTFRACACPPGWKGTCAVAKNSCLPNPCVNGGTCVSGSASFSCI  
CRDGWEGRCTHNTNDCNPLPCYNGGICVDGVNWFRCCECAPGFAGPDCRINIDECQSSPCAYGATCVDEINGYRCSCCLPNPCVNGGTCVSGSASFSCI  
SRGTPEPHGSSWVEDCNSCRCLDGRDCSKVWGWKPCILLAGQPEALSAQPLGQRCEKAPGQCLRPPECEAWGECGAEPPSTPCLPRSGHLDNNC  
ARLTLEHNRDHPQCTTVGALICSGIRSLPATRAVARDRLLVILCDRASGSAVEAVSFSPARDLPDSSLIOGAHAHVAALITQRGNSSLILAVTE  
VKVEYTVTCGSTGLLVPLCGAFSVLWLACVVLVWTRKRKRERERSLIPREESANNQWAPLNP TRNP IERPGCHKDVL YQCKRNF T PPRRADEA  
LPQAGHAAVREDEDEDLGRGEEDSLEAEKFLSHKFTKDPGRSPGRPAHWSGPKVDNRAVRS INEARYAGKE

Figure 11